

STANDARD FORM NO. 64

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~~SECRET~~**Office Memorandum • UNITED STATES GOVERNMENT**

TO : Chief, OC-E

FROM : Chief, OC-O&T

SUBJECT: Characteristics of RT-21 Transmitter

REF : Functional Characteristics RT-21, prepared by OC-E
and dated April 1958.

O&T 18-636

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JUST 22	NEXT REV 240	AUTH: NR 18-2	

1. O&T agrees with the research and development of the RT-21 as described in the reference, with certain reservations as discussed below. The following comments are related directly to paragraphs of the reference:

PART IParagraph 3c

The power requirement is subject to discussion. It is not clear from the reference paragraph that the A.C. power supply would be complete or that it would consist of a battery and an A.C. charger.

Paragraph 5a

The RS-5 with only 2 watts output, has much lower power consumption than either the RS-11 or your proposed RT-21. There are certain instances where 2 watts of power will adequately serve a communication net and where battery life is of great importance. In these latter cases the RS-5 will still be the only applicable radio set.

PART IIParagraph 1

Though this may not be very helpful, a top frequency of 25 mc. should be adequate.

Paragraph 8

We do not desire to sacrifice reliability in order to gain extreme simplicity of operation. If the servo motor

Do not clear from this which they want. Jan.

If such is case, a transmitter to power set should be developed.

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system you discussed is at all subject to malfunction, we would be against it, even at the expense of a little more operator training.

PART III

Paragraph 1

This paragraph will be subject to discussion since it is not clear regarding the dimensions and weight of the battery and/or A.C. power supply.

2. Our only other reservations in regard to the RT-21 are its relationship to the possible duplication of effort, in other words, duplication of the Tailor half-watt and 5-watt transmitters and the RT-11 transmitter.

3. After discussion between O&T and OC-E, a final paper outlining the agreed to functional characteristics can be prepared. In the mean time we agree in principle to enable OC-E to obligate funds for this research and development.



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